

87. The protein of claim 86, comprising the amino acid sequence shown in SEQ ID NO:138.

88. The protein of claim 86, wherein said protein is a naturally occurring mutant E5-1 protein comprising the amino acid sequence shown in SEQ ID NO:138 but having at least one amino acid substitution therein.

89. The protein of claim 88, wherein said mutant E5-1 protein has an amino acid substitution at position 141 and/or position 239 of SEQ ID NO:138.

90. The protein of claim 89, in which the Asn residue at position 141 is substituted by Ile.

91. The protein of claim 88, in which the Met residue at position 239 is substituted by Val.

92. A substantially pure human E5-1 protein, encoded by the nucleic acid sequence shown in SEQ ID NO:137, or a naturally occurring mutant thereof.

93. The protein of claim 92, which is a naturally occurring mutant E5-1 protein encoded by the nucleic acid sequence shown in SEQ ID NO:137 but having at least one mutation therein.

94. The protein of claim 93, wherein said naturally occurring mutant E5-1 protein encoded by the nucleic acid sequence shown in SEQ ID NO:137 contains an A→T substitution at position 787 and/or an A→G substitution at position 1080 of said SEQ ID NO:137.

REMARKS

Applicants' attorneys wish to thank Examiner Duffy for the courtesies extended by her during an interview with Applicants' representative Cynthia Lee Foulke, which took place on January 22, 1999.

Following entry of the amendment filed on November 11, 1998 and the foregoing amendments, Claims 24, 71, 73-77, and 80-94 are now pending. Claims 24 and 83